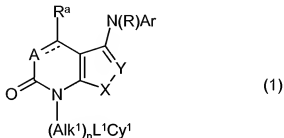


Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A compound of formula (1):



wherein:

the dashed line joining A and C(R^b) is present and represents a bond and

A is a N=atom or is a -C(R^b)= group; or the dashed line is absent and A is a -N(R^b)-, or -C(R^b)(R^e)-group;

~~R^a, R^b and R^e are each independently a hydrogen atom or an optionally substituted C₁₋₆ alkyl, CN, CO₂H, CO₂R⁺, CONH₂, CONHR⁺ or CONR⁺R² group;~~

R^a is a hydrogen atom or a C₁₋₆alkyl group;

R^b is a hydrogen atom;

~~R⁺ and R² are each, independently, an optionally-substituted alkyl group;~~

R is a hydrogen atom or a straight or branched C₁₋₆ alkyl group;

X is an -O-, S- or substituted nitrogen atom or a -S(O)-, S(O₂)- or -NH- group;

X is an -S- atom;

~~Y is a nitrogen or substituted carbon atom or a -CH=group;~~

Y is a -CH= or -C(R¹⁰)= group wherein R¹⁰ is -CN, -CONH₂, -CONHet¹, -CON(R¹²)Het, -CON(R¹²)Alk⁵Het or -CO₂Alk⁶;

-NHet¹ represents pyrrolidinyl, piperazinyl, morpholinyl or piperidinyl;

Het represents cyclopentyl, cyclohexyl, pyrrolidinyl, piperazinyl, morpholinyl or piperidinyl;

R¹² represents hydrogen or C₁₋₆alkyl;

Alk⁵ is a straight or branched C₁₋₆alkylene chain;

Alk⁶ is a straight or branched C₁₋₆alkyl group;

n is zero or the integer 1;

Alk³ is an optionally-substituted aliphatic or heteroaliphatic chain;

Alk¹ is -CH₂- or -CH₂CH₂-;

L¹ is a covalent bond or a linker atom or group;

Cy⁺ is a hydrogen atom or an optionally-substituted cycloaliphatic, polycycloaliphatic, heterocycloaliphatic, polyheterocycloaliphatic, aromatic or heteroaromatic group;

Cy¹ is an optionally substituted C₃₋₇cycloalkyl, phenyl, thienyl, pyridyl or indolyl group, wherein the optional substituents on Cy¹ are selected from halogen, C₁₋₆alkyl, haloC₁₋₆alkyl, C₁₋₆alkoxy, haloC₁₋₆alkoxy, cyano, -CO₂CH₃, -CO₂C(CH₃)₃, nitro, amino, -NHCH₃, -N(CH₃)₂, -C(O)CH₃ and -NHC(O)CH₃;

Ar is an optionally-substituted aromatic or heteroaromatic group;

or a pharmaceutically acceptable salt, solvate, hydrate, or N-oxide thereof.

Ar is an optionally substituted phenyl, wherein the optional substituents on Ar are selected from halogen, C₁₋₆alkyl, haloC₁₋₆alkyl, C₁₋₆alkoxy, haloC₁₋₆alkoxy, cyano, -CO₂CH₃, -CO₂C(CH₃)₃, nitro, amino, -NHCH₃, -N(CH₃)₂, -C(O)CH₃ and -NHC(O)CH₃;

or a pharmaceutically acceptable salt, solvate, hydrate or N-oxide thereof.

2. (Currently Amended) A-The compound according to Claim 1 wherein R is a hydrogen atom.
3. (Currently Amended) A-The compound according to Claim 1 wherein R^a is a hydrogen atom.
4. (Cancelled)
5. (Cancelled)

6. (Cancelled)
7. (Cancelled)
8. (Cancelled)
9. (currently amended) ~~A~~ The compound according to Claim 1 wherein n is the integer 1 and ~~Alk1 is an optionally substituted C₁₋₆alkylene chain.~~
10. (Cancelled)
11. (Currently Amended) ~~A~~ The compound according to Claim 1 wherein n is zero.
12. (Cancelled)
13. (Currently Amended) ~~A~~ The compound according to Claim 1 wherein Cy¹ is an optionally substituted C₃₋₇cycloalkyl group, wherein the optional substituents on Cy¹ are selected from halogen, C₁₋₆alkyl, haloC₁₋₆alkyl, C₁₋₆alkoxy, haloC₁₋₆alkoxy, cyano, -CO₂CH₃, -CO₂C(CH₃)₃, nitro, amino, -NHCH₃, -N(CH₃)₂, -C(O)CH₃, and -NHCOCH₃.
14. (Currently Amended) ~~A~~ The compound according to Claim 13 wherein Cy¹ is a cyclopropyl group.
15. (Currently Amended) ~~A~~ The compound according to Claim 1 wherein Cy¹ is an optionally substituted phenyl group, wherein the optional substituents on Cy¹ are selected from halogen, C₁₋₆alkyl, haloC₁₋₆alkyl, C₁₋₆alkoxy, haloC₁₋₆alkoxy, cyano, -CO₂CH₃, -CO₂C(CH₃)₃, nitro, amino, -NHCH₃, -N(CH₃)₂, -C(O)CH₃ and -NHCOCH₃.
16. (Currently Amended) ~~A~~ The compound according to Claim 15 wherein Cy¹ is a phenyl group.
17. (Cancelled)
18. (Cancelled)
19. (Currently Amended) ~~A~~ The compound ~~according to Claim 18~~ according to Claim 1 wherein Cy¹ is a thienyl, pyridyl or indolyl group.
20. (Cancelled)

21. (Currently Amended) A The compound according to Claim 1 wherein Y is a group —CH=
 $\text{—C(R}^{10})\text{=}$.

R^{10} is an atom or group R^{10a} or $\text{—L}^6\text{Alk}^5(\text{R}^{10a})$;

R^{10a} is a halogen atom, or an amino (—NH_2), substituted amino, nitro, cyano, hydroxyl
(OH), substituted hydroxyl, formyl, carboxyl ($\text{—CO}_2\text{H}$), esterified carboxyl, thiol (—SH),
substituted thiol, —COR^{11} , —CSR^{11} , $\text{—SO}_2\text{H}$, —SOR^{11} , $\text{—SO}_2\text{R}^{11}$, $\text{—SO}_2\text{NH}_{25}$, $\text{—SO}_2\text{NHR}^{11}$, $\text{—SO}_2\text{N(R}^{11})_{25}$,
 —CONH_{25} , —CSNH_{25} , —CONHR^{11} , —CSNHR^{11} , $\text{—CON(R}^{11})_{25}$, $\text{—CSN(R}^{11})_{25}$, $\text{—N(R}^{12})\text{SO}_2\text{R}^{11}$,
 $\text{—N(SO}_2\text{R}^{11})_{25}$, $\text{—N(R}^{12})\text{SO}_2\text{NH}_{25}$, $\text{—N(R}^{12})\text{SO}_2\text{NHR}^{11}$, $\text{—N(R}^{12})\text{SO}_2\text{N(R}^{11})_{25}$, $\text{—N(R}^{12})\text{COR}^{11}$,
 $\text{—N(R}^{12})\text{CONH}_{25}$, $\text{—N(R}^{12})\text{CONHR}^{11}$, $\text{—N(R}^{12})\text{CON(R}^{11})_{25}$, $\text{—N(R}^{12})\text{CSNH}_{25}$, $\text{—N(R}^{12})\text{CSNHR}^{11}$,
 $\text{—N(R}^{12})\text{CSN(R}^{11})_{25}$, $\text{—N(R}^{12})\text{CSR}^{11}$, $\text{—N(R}^{12})\text{C(O)OR}^{11}$, $\text{—C=NR}^{12}(\text{NR}^{12})$,
 $\text{—SO}_2\text{NHet}^{\dagger}$, —CONHet^{\dagger} , —CSNHet^{\dagger} , $\text{—N(R}^{12})\text{SO}_2\text{NHet}^{\dagger}$, $\text{—N(R}^{12})\text{CONHet}^{\dagger}$, $\text{—N(R}^{12})\text{CSNHet}^{\dagger}$,
 $\text{—SO}_2\text{N(R}^{12})\text{Het}$, —Het , $\text{—CON(R}^{12})\text{Het}$, $\text{—CSN(R}^{12})\text{Het}$, $\text{—N(R}^{12})\text{CON(R}^{12})\text{Het}$, $\text{—N(R}^{12})\text{CSN(R}^{12})\text{Het}$,
 $\text{—N(R}^{12})\text{SO}_2\text{N(R}^{12})\text{Het}$, aryl or heteroaryl group;

R^{11} is an $\text{—L}^6\text{Alk}^2(\text{R}^{10a})$, aryl or heteroaryl group;

Alk^3 is a straight or branched C_{1-3} alkylene chain;

R^{12} is a hydrogen atom or a straight or branched alkyl group;

—NHet^{\dagger} is an optionally substituted C_{2-7} cyclicamino group optionally containing one or
more —O— or —S— atoms or $\text{—N(R}^{12})\text{—}$, —C(O)— or —C(S)— groups;

—Het is an optionally substituted monocyclic $\text{C}_3\text{—7}$ carbocyclic group optionally containing
one or more —O— or —S— atoms or $\text{—N(R}^{12})\text{—}$, —C(O)— , —S(O)— or $\text{—S(O)}_2\text{—}$ groups;

L^6 is a covalent bond or a linker atom or group;

Alk^5 is an optionally substituted straight or branched C_{1-6} alkylene, C_{2-6} alkenylene or C_{2-6}
alkynylene chain, optionally interrupted by one, two or three —O— or —S— atoms or $\text{—S(O)}_n\text{—}$ or
 $\text{—N(R}^{12})\text{—}$ groups;

n is the integer 1 or 2; and

r is zero or the integer 1, 2, or 3.

22. (Cancelled)

23. (Currently Amended) A The compound according to Claim 22-21 wherein R¹⁰ is a—CN,—CONH₂,—CONHR¹¹,—CON(R¹¹)₂,—CONHet¹,—CON(R¹²)Het,—CON(R¹²)Alk⁵—Het or esterified carboxyl group.
24. (Cancelled)
25. (Currently Amended) A The compound according to Claim 1-24 wherein Ar is an optionally substituted phenyl group, wherein the optional substituents on Ar are selected from halogen, C₁₋₃alkyl, C₁₋₃alkoxy, and —CN.
26. (Currently Amended) A The compound according to Claim 25 wherein Ar is 3-methylphenyl wherein Ar is a phenyl group or a phenyl group substituted by one, two or three atoms or groups R^{10a} or —L6Alk5(R^{10a})_n where
- R^{10a} is a halogen atom, or an amino (—NH₂), substituted amino, nitro, cyano, hydroxyl (—OH), substituted hydroxyl, formyl, carboxyl (—CO₂H), esterified carboxyl, thiol (—SH), substituted thiol, —COR¹¹, —CSR¹¹, —SO₂H, —SOR¹¹, —SO₂R¹¹, —SO₂R¹¹, —SO₂NH₂, —SO₂NHR¹¹, —SO₂N(R¹¹)₂, —CONH₂, —CSNH₂, —CONHR¹¹, —CSNHR¹¹, —CON(R¹¹)₂, —CSN(R¹¹)₂, —N(R¹²)SO₂R¹¹, —N(SO₂R¹¹)₂, —N(R¹²)SO₂NH₂, —N(R¹²)SO₂NHR¹¹, —N(R¹²)SO₂N(R¹¹)₂, —N(R¹²)COR¹¹, —N(R¹²)CONH₂, —N(R¹²)CONHR¹¹, —N(R¹²)CON(R¹¹)₂, —N(R¹²)CSNH₂, —N(R¹²)CSNHR¹¹, —N(R¹²)CSN(R¹¹)₂, —N(R¹²)CSR¹¹, —N(R¹²)C(O)OR¹¹, —C=NR¹²(NR¹²), —SO₂NHet¹, —CONHet¹, —CSNHet¹, —N(R¹²)SO₂NHet¹, —N(R¹²)CONHet¹, —N(R¹²)CSNHet¹, —SO₂N(R¹²)Het,—Het,—CON(R¹²)Het,—CSN(R¹²)Het,—N(R¹²)CON(R¹²)Het,—N(R¹²)CSN(R¹²)Het,—N(R¹²)SO₂N(R¹²)Het, aryl or heteroaryl group;
- R¹¹ is an —L⁶Alk³(R^{10a})_n, aryl or heteroaryl group;
- Alk³ is a straight or branched C₁₋₃alkylene chain;
- R¹² is a hydrogen atom or a straight or branched alkyl group;
- NHet¹ is an optionally substituted C₂₋₇cyclicamino group optionally containing one or more —O— or —S— atoms or —N(R¹²)—, —C(O)— or —C(S)— groups;
- Het is an optionally substituted monocyclic C₂₋₇carbocyclic group optionally containing one or more —O— or —S— atoms or —N(R¹²)—, —C(O)—, —S(O)— or —S(O)₂— groups;

L^6 is a covalent bond or a linker atom or group;

Alk^5 is an optionally substituted straight or branched C_{1-6} alkylene, C_{2-6} alkenylene, or C_{2-6} alkynylene chain, optionally interrupted by one, two or three $-O-$ or $-S-$ atoms or $-S(O)_n-$ or $N(R^{12})_2-$ groups;

n is the integer 1 or 2; and

r is zero or the integer 1, 2, or 3.

27. (Currently Amended) A compound which is

ethyl 3-(phenylamino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[methyl(phenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-methoxyphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 6-oxo-7-phenyl-3-[(3-trifluoromethoxyphenyl)amino]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-fluoro-4-methoxyphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

ethyl 6-oxo-7-phenyl-3-[(3-tolyl)amino]-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;
ammonium 6-oxo-3-(phenylamino)-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-(phenylamino)-7-phenylthieno[2,3-*b*]pyridin-6(7*H*)-one;
6-oxo-3-(phenylamino)-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;
6-oxo-7-phenyl-3-phenylamino-6,7-dihydro-thieno[2,3-*b*]pyridine-2-carboxamide;
6-oxo-*N*-(2-piperidinoethyl)-3-(phenylamino)-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

6-oxo-3-(phenylamino)-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;
6-oxo-7-phenyl-3-phenylamino-6,7-dihydro-thieno[2,3-*b*]pyridine-2-carbonitrile;
3-(3-bromophenylamino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

3-(3-chlorophenylamino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;
3-anilino-7-(2-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;
3-[(4-fluoro-3-methylphenyl)amino]-7-(4-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

7-(4-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile

7-cyclopropyl-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

7-cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

7-cyclopropyl-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-[(4-fluoro-3-methylphenyl)amino]-7-(2-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

3-[(2,4-difluorophenyl)amino]-7-(2-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

7-(2-methylphenyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-[(4-fluoro-3-methylphenyl)amino]-7-(2-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-7-(2-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

ethyl 3-anilino-7-(1H-indol-5-yl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-7-(1H-indol-5-yl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

ethyl 3-[(2-cyanophenyl)amino]-7-(1H-indol-5-yl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-[(2-cyanophenyl)amino]-7-(1H-indol-5-yl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

ethyl 3-[(2-cyanophenyl)amino]-7-[1-(methylsulfonyl)-1H-indol-5-yl]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

ethyl 3-[(2-cyanophenyl)amino]-7-(1-methyl-1H-indol-5-yl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

ethyl 3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-7-(cyclopropylmethyl)-N-methoxy-N-methyl-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

7-(cyclopropylmethyl)-3-[(2,4-difluorophenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(cyclopropylmethyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3-chloro-4-fluorophenyl)amino]-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(cyclopropylmethyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(cyclopropylmethyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(cyclopropylmethyl)-3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(cyclopropylmethyl)-3-[(2,4-dimethylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(cyclopropylmethyl)-3-[(3,4-dimethylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(2-cyano-3-methylphenyl)amino]-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-7-(cyclopropylmethyl)-6-oxo-N-(2-piperidin-1-ylethyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(3-bromophenyl)amino]-7-(cyclopropylmethyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-anilino-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-anilino-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(2-cyanophenyl)amino]-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(2-cyanophenyl)amino]-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-(3-thienyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 6-oxo-7-phenyl-3-(pyridin-3-ylamino)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-chloropyridin-3-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(6-methylpyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(6-methylpyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(6-chloropyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(6-chloropyridin-2-yl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(2-cyanophenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyanophenyl)amino]-7-[4-(methylsulfinyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(2-cyanophenyl)amino]-7-[4-(methylsulfinyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-anilino-7-[4-(methylthio)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-anilino-7-[4-(methylsulfinyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-methylphenyl)amino]-7-[4-(methylthio)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(3-methylphenyl)amino]-7-[4-(methylsulfonyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-anilino-6-oxo-7-[4-(pyrrolidin-1-ylmethyl)phenyl]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2,4-difluorophenyl)amino]-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(2,4-difluorophenyl)amino]-7-[4-[2-(2-methyl-1H-imidazol-1-yl)ethoxy]phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-(4-vinylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-anilino-6-oxo-7-(4-vinylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-anilino-6-oxo-7-(4-vinylphenyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-anilino-7-[4-(1,2-dihydroxyethyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-anilino-7-[4-(1,2-dihydroxyethyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-7-[4-{{(2R)-2,3-dihydroxypropyl}oxy}phenyl]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbonitrile;

ethyl 3-[(2,4-difluorophenyl)amino]-7-(2-nitrophenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-[(2,4-difluorophenyl)amino]-7-(2-nitrophenyl)-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

ethyl 3-anilino-4-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-4-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-sulfonamide;

ethyl 3-anilino-7-[2-(2-methoxyethoxy)ethyl]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

ethyl 3-[(2,4-difluorophenyl)amino]-6-oxo-7-(tetrahydro-2H-pyran-2-ylmethyl)-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

ethyl 3-anilino-7-benzyl-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-7-benzyl-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carbohydrazide;

ethyl 3-anilino-7-[4-(dimethylamino)phenyl]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxylate;

3-anilino-7-[4-(dimethylamino)phenyl]-N-methoxy-N-methyl-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-7-[4-(dimethylamino)phenyl]-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-7-[4-(dimethylamino)phenyl]-6-oxo-N-(2-piperidin-1-ylethyl)-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-N,N-dimethyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-N,N-diethyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-*b*]pyridine-2-carboxamide;

3-anilino-N-methoxy-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-[3-(4-methylpiperazin-1-yl)propyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-[3-(1H-imidazol-1-yl)propyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-[2-(diethylamino)ethyl]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-[2-(diethylamino)ethyl]-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-ethyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-(2-morpholin-4-ylethyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-[2-(dimethylamino)ethyl]-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-(3-morpholin-4-ylpropyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-N-methoxy-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-(2-piperidin-1-ylethyl)-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-N-(2-hydroxy-1,1-dimethylethyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

ethyl 3-[(3-chloro-2-cyanophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyano-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyano-5-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyanophenyl)amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2-cyano-3-methylphenyl)amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-fluoro-3-methylphenyl)amino]-7-(4-chlorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(4-fluoro-3-methylphenyl)amino]-7-(3-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(3-methylphenyl)amino]-7-(3-methylphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(2-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3,5-dichlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3-nitrophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

6-oxo-7-phenyl-3-([2-(trifluoromethoxy)phenyl]amino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([2-(6-dichlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([2-(difluoromethoxy)phenyl]amino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([2-(6-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([4-(4-fluoro-2-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

6-oxo-7-phenyl-3-([3-([trifluoromethyl]thio)phenyl]amino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([3-(3-bromo-4-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([3-(3-bromo-2-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

6-oxo-7-phenyl-3-([3-(trifluoromethoxy)phenyl]amino)-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([3-(3-(methylthio)phenyl]amino)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([4-(4-fluoro-3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([3-(3-ethylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(4-fluorophenyl)-3-([3-(methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([2-(4-difluorophenyl)amino]-7-(4-methoxyphenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-([2-(4-difluorophenyl)amino]-7-(4-([(2S)-2,3-dihydroxypropyl]oxy)phenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(4-acetylphenyl)-3-[(3-chlorophenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(2-chlorophenyl)-3-[(4-fluoro-3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(2-chlorophenyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(2-hydroxyphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-[(3-hydroxyphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

7-(4-fluorophenyl)-3-[(3-methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

6-oxo-7-phenyl-3-[[3-(trifluoromethyl)phenyl]amino]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3,5-dichlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-bromophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

6-oxo-7-phenyl-3-[[2-(trifluoromethoxy)phenyl]amino]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-(difluoromethoxy)phenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2,6-dichlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-bromo-4-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[3-(methylthio)phenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

6-oxo-7-phenyl-3-[[3-(trifluoromethoxy)phenyl]amino]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[4-fluoro-3-methylphenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

6-oxo-7-phenyl-3-[[3-[(trifluoromethyl)thio]phenyl]amino]-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[3-(ethylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

7-(2-chlorophenyl)-3-[[3-(methylphenyl)amino]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-cyano-3-methylphenyl]amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[4-fluoro-3-methylphenyl]amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[4-fluoro-3-methylphenyl]amino]-7-(4-fluorophenyl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-hydroxyphenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[3-hydroxyphenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-cyanophenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-chlorophenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[3-cyanophenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[[2-cyano-3-methylphenyl]amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(2-cyano-5-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-chloro-4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(4-fluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-chlorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carbothioamide;

N,N-diethyl-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboximidamide;

3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboximidamide;

3-[(2,4-difluorophenyl)amino]-N-(2-hydroxy-2-methylpropyl)-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

methyl 2-({3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridin-2-yl}carbonyl)hydrazinecarboxylate;

3-[(3-chlorophenyl)amino]-7-phenylthieno[2,3-b]pyridin-6(7H)-one;

ethyl 3-anilino-7-[4-(1-hydroxy-1-methylethyl)phenyl]-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

ethyl 3-[(2,4-difluorophenyl)amino]-7-{4-[(methylsulfonyl)amino]phenyl}-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-2-carboxylate;

3-[(4-fluoro-3-methylphenyl)amino]-N-hydroxy-N-methyl-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

2-acetyl-3-anilino-7-phenylthieno[2,3-b]pyridin-6(7H)-one;

N,N-diethyl-3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboximidamide;

3-anilino-6-oxo-7-pyridin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carbonitrile;

3-anilino-6-oxo-7-pyridin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;

3-anilino-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one;
 3-anilino-7-phenyl-2-(piperidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one;
 3-anilino-2-[(4-ethylpiperazin-1-yl)carbonyl]-7-phenylthieno[2,3-b]pyridin-6(7H)-one;
 3-anilino-7-[4-(dimethylamino)phenyl]-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one;
 3-[(2,4-difluorophenyl)amino]-2-(morpholin-4-ylcarbonyl)-7-phenylthieno[2,3-b]pyridin-6(7H)-one;
 3-[[6-oxo-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)-6,7-dihydrothieno[2,3-b]pyridin-3-yl]amino]benzonitrile;
 3-[(3-chlorophenyl)amino]-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one;
 3-[(2,4-difluorophenyl)amino]-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one;
 3-[(4-fluorophenyl)amino]-7-phenyl-2-(pyrrolidin-1-ylcarbonyl)thieno[2,3-b]pyridin-6(7H)-one; or
 3-[(2,4-difluorophenyl)amino]-6-oxo-7-phenyl-N-pyrrolidin-3-yl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide;
 or a pharmaceutically acceptable salt ~~solvate, hydrate, or N-oxide~~ thereof.

28. (Previously Presented) A pharmaceutical composition comprising a compound of Claim 1 together with one or more pharmaceutically acceptable carriers, excipients or diluents.
29. (Currently Amended) ~~A~~ The compound according to Claim 27 which is 3-[(3-methylphenyl)amino]-6-oxo-7-phenyl-6,7-dihydrothieno[2,3-b]pyridine-2-carboxamide.
30. (Previously Presented) A pharmaceutical composition comprising the compound according to Claim 29 together with one or more pharmaceutically acceptable carriers, excipients or diluents.
31. (Previously Presented) A method for treating a mammal suffering from rheumatoid arthritis comprising administering to the mammal a therapeutically effective amount of a compound according to Claim 29.